Instruction Manual

DREAMSAT

700

English

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WARNING !!!

Supported network features as internet radio, Youtube, etc depend on your network connection speed and quality and the server settings (limitations, bandwidth, location) which you are accessing.

Playback of copy protected content, damaged files, etc. may fail or be incorrect. Video files with a resolution higher than 1920x1080i, 1280x720p or with a video bitrate over 30Mbps may not play properly.

This satellite receivers support recording to external hard disk drives (HDDs) and flash memories (pen drives). The correct operation of the recording function depends on the type of connected memory! You must read the following limitations.

REMEMBER:

1. In order to use an external USB memory, the memory must support the USB 2.0 standard. To ensure stable recording and playback, **you must use a memory with a recording speed of 20.0 MB/s or faster**. Slower hard disk drives and flash memories may not function properly, have problems with recording (image jitter), or do not function at all!!!
2. Only memory with one basic EXT2, EXT3 or FAT32 partition (we recommend using the FAT32 format) will function properly. If your hard disk is not formatted in EXT2, EXT3 or FAT32, format the disk on your computer before connecting it to the receiver.
3. Highly fragmented or used memories may also not operate smoothly or correctly.

CAUTION

1. Under no circumstances should you disconnect the USB device from the receiver during recording or playback. Disconnecting during operation may cause damage to the receiver and/or flash memory, and to the recorded data.

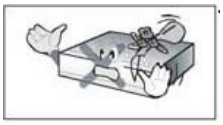
2. Do not touch the working receiver (and in particular the USB connector) with wet hands. Risk of electric shock and permanent damage to the receiver!

SAFETY MEASURES

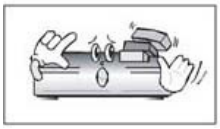
We request that you read the instruction manual and recommendations set forward therein.

Also remember to correctly position the satellite antenna!

In order to avoid an electric shock, never open the housing. Damage to the warranty seal shall void the warranty.



Disconnect the receiver from the mains during thunderstorms or when it is not to be used for an extended period of time. Please remember that the warranty does not cover damage to the equipment caused by a lightning strike.

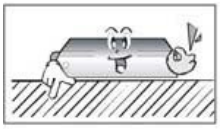


Do not expose the receiver to direct sunlight. Place it away from sources of heat and humidity. Do not cover ventilation ducts with items such as newspapers, table-cloths, curtains, etc in order to ensure the correct circulation of air.

Place the receiver horizontally on a flat, even and stable surface. Make sure the receiver has more than 10 cm clearance around for sufficient ventilation.

If you move the receiver from a room that is warm to one that is cold (or vice versa), wait at min. 1 hour before connecting it to the mains. Otherwise, problems may arise.

The receiver should be placed away from vases, bottles, aquariums and other Water containers in order to avoid damage. Do not touch the mains plug with your bare hands.



Do not place any objects on the housing of the receiver. This may cause overheating and reception problems. No naked flame sources such a lighted candles should be placed on the receiver.

Before commencing maintenance or installation work, disconnect the receiver from the mains. Do not clean the receiver with alcohol or liquids containing ammonia. If necessary, clean it with a soft, lint-free cloth wetted with a gentle solution of water and soap.

- Do not connect any cables when the mains plug is in the socket.
- Check the condition of your cables. Damaged cables may cause a fire.
- Please disconnect the receiver from the mains before connecting any cables.
- Where the mains plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.

ABOUT THE INSTRUCTION MANUAL

We have made every effort to provide the most current information about its products. We do not grant any guarantee as to the contents of the present instruction manual and disclaims any implied guarantees concerning market value or suitability for specific purposes. The information contained herein is an instruction intended to enable the correct usage and maintenance of the receiver.
We reserve itself the right to introduce amendments, changes or translations of the instruction manual without prior notification thereof. For this reason, we recommend you regularly visit our website in order to obtain the latest information.

MARKINGS AND SIGNS APPLIED TO THE RECEIVER

Digital signal transmission logo.
This logo informs that the receiver conforms to the Digital Video Broadcasting standards.

Risk of electric shock -do not open.
This notice warns the user not to open the receiver housing. The housing may be opened solely by authorized service technicians.

CE logo.
The logo informs that the receiver conforms to the terms and conditions of Directive 89/336/EEC concerning observance by Member States of provisions regulating electromagnetic compatibility, and to the terms and conditions of Directives 73/23/EEC and 93/68/EEC concerning observance by Member States of provisions regulating low voltage electricity and safety with relation to the handling and operation of electrical equipment.

Double insulation logo.
This logo informs that the receiver is an electrically safe device, provided that it is used in accordance with the recommendations set forward in the chapter concerning safety.

Take an active part in protecting the natural environment!

- Your receiver is made from materials that can be processed or recycled.
- At the end of its service life, take this unit to a designated collection point.

BASIC INFORMATION ABOUT THE RECEIVER

1. Main features

- Reception of high definition channels
- Upscaling of PAL signals to 1080 P resolution
- 20 programmable timers
- Separate favorite, TV and Radio channels list
- Quick channel search function (Quick Find)
- Teletext and subtitle display
- DiSEqC 1.0, 1.1 and DiSEqC 1.2, USALS
- MPEG-2, MPEG-4, MPEG-4 AVC/H.264 standards
- Compatible with DVB-S and DVB-S2 systems
- Card reader for pay-per-view television
- WIFI & 3G modem available for internet connection

2. Contents of box

Unpack the receiver and check whether all of the following elements are present

- 1 x remote control unit (incl. 2AAA batteries)
- 1 x instruction manual
- 1 x hybrid satellite receiver
- 1 x HDMI cable
- 1 x IR sensor cable

3. Important instructions concerning handling of the receiver

The screen menu (OSD) simplifies operation of the receiver and has made it possible to reduce the number of keys on the remote control. All of the functions are displayed on the screen and may be controlled by means of a small number of keys. Common functions have been connected in one "MENU". The selected function is colored. Depending on the selected option, various "function keys" are displayed: red, yellow, green, blue and white in the form of graphics and descriptions. The colors represent various functions in individual "Menus". The selected function is activated by pressing a key on the remote control unit. The so-called function keys are active only when in the appropriate field there is information about it. The user interface makes it possible to navigate within a menu and between functions in a number of different ways. Certain keys on the remote control allow direct access to functions. The keys are multifunctional, i.e. their functions depend on previously activated elements.

NOTE:

Please keep in mind that new software may change the functionality of the receiver. Photographs and descriptions included in the instruction manual are for informational purposes only. If you should notice an error, please report it -we shall make every effort to have it rectified.

4. Remote control

STAND BY

Switch between operation and **STAND-BY** Stand-by/deep Stand-by mode and to boot.

VOL+/VOL-

Adjust the audio volume.

CH UP/DOWN

Change channels (next/previous).

PIP

To go to Picture in Picture mode **PIP** (another program's video Play back in a sub screen available while watching a program)

POSITION

To move sub screen's position POSITION (up, down, left and right) in POP mode

EDIT & CI

Enter/exit the edit menu.

EJECT

Eject the USB memory.

MULTI MEDIA

These colored keys have different functions as displayed in the menus.

UP/DOWN

TV : Change channels (next/previous)

MENU: Navigate in the menus.

LEFT/RIGHT

TV : Adjust the audio volume.

MENU: Navigate in the menus and select options.

OK

TV : Enter the list mode.

MENU: Select options.

PAGE UP/DOWN

Scroll a page or list up and down. To scroll Continuously hold the key.

MUTE Turn the sound on/off.

TV/RADIO LAST Change between TV and Radio mode.

LAST Return to previous channel.

V. Format Change the screen resolution.

NUMERIC KEYS

TV : Enter a channel number directly.
MENU: Enter values.

Enter/exit TELETEXT

Enter/exit the zoom mode.

Pause a live program.

Info Enter/exit information about the program, movie/recording.

EPG Enter/exit the program guide.

MENU Enter/exit the menu and save change in menus.

EXIT Exit all menu modes.

LANG Select audio language and encode the text for movie subtitles.

FEED Select a Multifeed.

SUBT Select subtitle language for program and display the subtitle for movies.

AUDIO Select audio channels.

RECORDING Record a program and select the duration.

PLAY Start playback.

PAUSE Start the Timeshift recording. Pause playback.

STOP Stop playback.

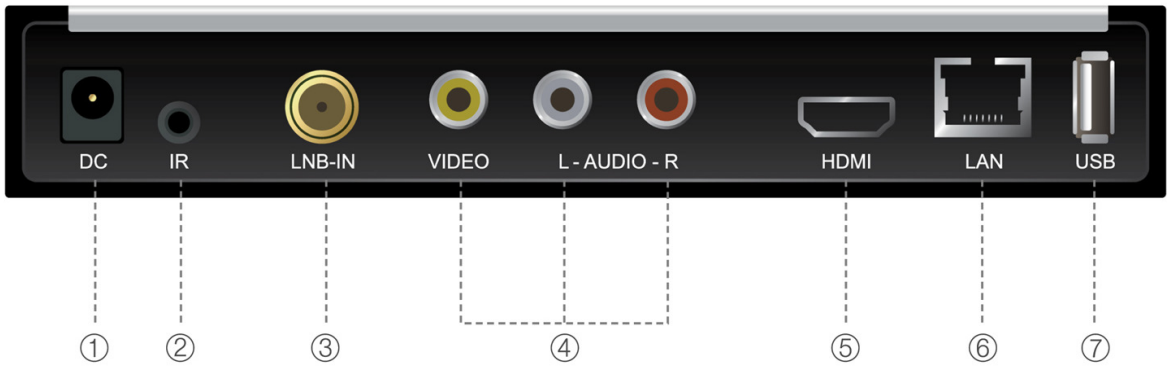
SLOW MOTION Playback in slow motion. Each time you press this key the speed will increase (**10%**, **30%**, **50%**).

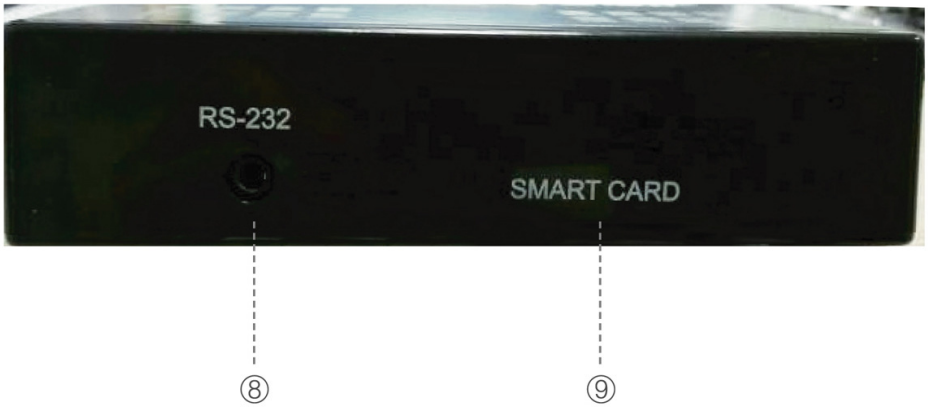
REWIND

FORWARD Each time you press this key the rewind/ forward speed will increase (**2**, **4**, **8**).

JUMP Jump back or forward during playback.

5. Main unit description





① MAIN POWER ADAPTOR (DC IN)

Connect the supplied power adaptor to this socket. The flat side of the plug with the arrow should point up. Please use only the original power adaptor supplied with the device.

② IR (Infrared Sensor)

Connect the supplied infrared sensor to this socket. It received commands from the remote control unit and should be place near the front of you TV.

③ LNB-IN (TUNER 1 IF INPUT)

Satellite broadcasting signal 1 input socket

④ VIDEO, L-AUDIO-R

For Supporting Audio L/R and video

⑤ HDMI

Audio and Video output socket for the high definition television set

⑥ ETHERNET

For internet line connection

⑦ USB

For connection to external USB memory stick.

⑧ DATA INTERFACE (RS-232C)

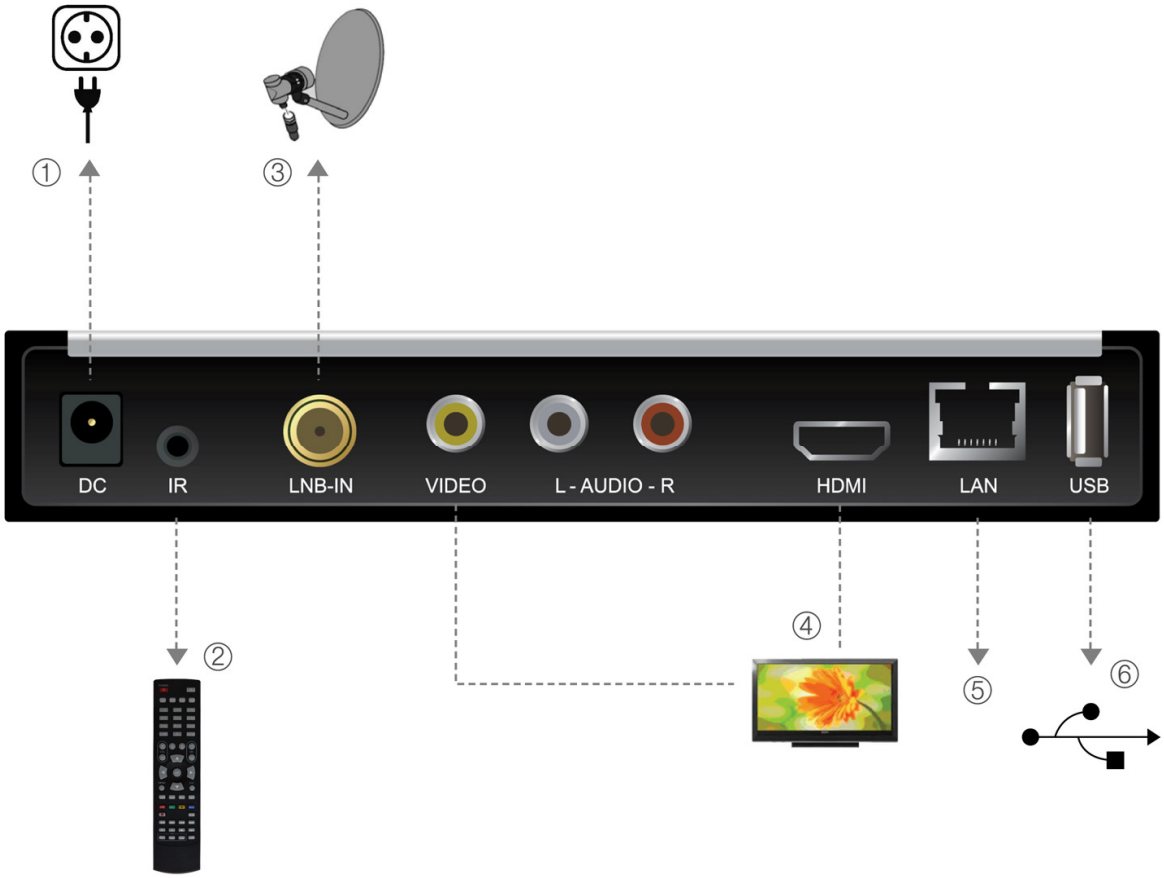
Only for advanced users and service personnel: computer interface for software update and channel data transfer to another receiver.

⑨ SMART CARD

Insert any kind of subscription card.

6. Connection overview

The following illustrations show cable connections for a television and other devices connected to the receiver. If you require any assistance in connecting individual devices, contact your local technician. Before connecting or altering connections, disconnect the receiver from the mains.



6.1 Power Supply
Connect the DC cable of the mains adaptor to the DC IN jack of this receiver. Then insert the plug of the mains adaptor into a mains socket.

6.2 IR (Infrared Sensor)
Connect the cable of the infrared sensor to the IR jack of this receiver. Place the infrared sensor near the front of the TV set so that it can be reached unimpeded by the infrared signal of the re mote control from your favorite seating place.

6.3 Antenna
Connect the coaxial cable of your satellite antenna to the LNB IN socket of this receiver.

6.4 VIDEO & HDMI
Plug this receiver into the HDMI or VIDEO connector of your TV set.

6.5 Ethernet (LAN)
Internet line connection

6.6 USB
Connection for external USB memory stick.

6.7 RS-232

6.8. SMART CARD

7. Powering On/Off

Power ON/Booting
Connect the power cord of your receiver to a mains socket.
Turn On the mains switch on the rear panel to start the booting.

Stand-by
Press the **STAND-BY** key to switch between Stand-by and operation mode.
Timer recordings will record in this mode.

Deep Stand-by
Hold the **STAND-BY** key pressed for 3 seconds to switch to the Deep Stand-by mode. To switch again to operation mode, press the **STAND-BY** key again.
Timer recordings will not record in this mode.

8. First installation

After you turned on your receiver for the first time or after a factory reset, the installation wizard will start automatically.

8.1 Operating the menu

Select an option with the ▲/▼, ◀/▶ keys.

Enter an option with the **OK** key.

8.2 Language selection

Menu language	Select the menu language.
Audio language	Select the standard audio language for programs.
Subtitle language	Select Subtitle language
Teletext language	Select Teletext language

Press **MENU** key to save the selection and to continue to the satellite search.

8.3 Satellite search

Satellite	Select a satellite.
Transponder	Select a transponder.
LNB	Select the LNB frequency.
22Khz	Select ***On*** or ***Off***.
DiSEqC	Select the DiSEqC (***A***, ***B***, ***C***, ***D***)/***Mini A***, ***B*** port for the selected satellite.
DiSEqC 1.1	Select the DiSEqC port (***1-16)*** for the selected satellite.
LNB Power	Select the LNB power.
Search	Press (blue) key to start the search.

Search options

All/FTA/NIT/FAST SCAN	Select an option to start the search.
MULTI	Select this Option to search all satellites (***DiSEqC switch***) at one time.
NOTE	*Press* **EXIT** *key to install an Unicable/SCD/DiSEqC 1.2/USALS system.*

9. DAILY USAGE

9.1 Volume control

Volume	Press **VOL+/VOL-**or ◀/▶ keys (while watching a program) to adjust the volume.
Mute	Press MUTE key to turn the sound On and Off.

9.2 Changing channels

Change	Press **CH. UP/DOWN**, ▲/▼keys or enter the channel number with the **0-9 numeric** keys to change channels.
Back	Press **LAST** key to return to the previous channel.

9.3 Channel lists

Press **OK** key to display all ***satellite***/***user lists*** and ***sort options***.

Operation	Select columns with the t/u keys and select a ***sort option*** or ***channel*** with the ▲/▼/**OK** keys.
Search	To search a channel name, enter first the channel list and enter the channel name with the **numeric** keys.
Channel	You can search for a search term with max. 7 letters. The search term is displayed in the 1st column at the bottom. Press (red) key to delete a letter.

9.4 User lists

Press **USER** key to display the 10 user lists.

List	Select a column with the ◀/▶ keys and select an option or channel with the ▲/▼/OK keys.
Rename	Select a list and press (yellow) key to rename.
Edit	Press (red) key to edit.

9.5 Zoom mode

Press **ZOOM** key to enlarge a part of the screen.

Move the Zoom window with the ▲/▼, ◀/▶ keys to the part of the screen to enlarge.

9.6 Information bar

Press **INFO** key to display the channel number & name, list name, time.

The current and next program information, if available, will be displayed. If detail information is available, press **INFO** key again to display them.

is displayed for programs in High Definition.

is displayed, if subtitle languages are available.

is displayed, if Teletext is available.

is displayed, if Multifeeds are available.

is displayed for locked channels.

is displayed for pay TV channels.

is displayed for programs in Dolby Digital.

displays the audio channels (mono, stereo).

SIGNAL displays the signal quality and strength.

9.7 Audio channel

Press **AUDIO** key to select an audio channel (stereo, mono left/right).

Stereo.

Left/right channel (Mono).

9.8 Audio language

TV	Press **LANG** key to select an audio language, if available. Select a language with the ▲/▼/**OK** keys.
Movies	Press **LANG** key to select the matching subtitle text code to display all letters correctly. Select the text code from the list with the ▲/▼/**OK** keys.

9.9 Freeze mode

Press **FREEZE** key to pause a live program.

9.10 TELETEXT

Press **TEXT** key to display TELETEXT, if available. Operate the menu with the **0-9 numeric** and colored ( ) keys.

9.11 Edit channels, event list

Press (green) key to display detail information about the channel.

Lock	Select ***On*** to lock the channel.
Descramble With	If 2 CAMs or a card are inserted, preset the channels to the specific CAM or card for a faster decoding.
Save	Press **MENU** key to save the changes.
Delete	Press (red) key to delete the channel.
Event list	Press (blue) key to display the event list for all recordings and reservations.

Select an event with the ▲/▼keys. Press (red) key to delete an event, press (green) key to delete all events.

9.12 Media Press MEDIA key to view REC, MOVIES, MUSIC and PHOTOS.

9.12.1 Recordings & movies

Recording format	Trp.
Movie formats	DivX/Xvid (***.avi, .divx***), FLV ***(.flv***), PAL (50Hz), PAL (50Hz) MPEG-2 (***.mpg, .m2v, .ts, .trp***), MKV.
Playback	
Preview	Select a movie or recording and press **OK** key.
Full screen	Select a movie or recording and press **OK** key twice or **PLAY** key. Press **STOP** key to stop.
Details	Press **INFO** key to display the title, present & total playtime.
Edit movies/recordings & folders	
Sort	Press (green) key to sort (***A-Z***/***Z-A***, ***Date***).
Delete	Press (red) key to delete.
Lock	Press (yellow) key to lock/unlock a ***folder*** or a r***ecording***.
Edit	Press **INFO** key to enter the ***file browser***.
NOTE	*For YouTube videos and some video files* ***rewind/forward***, ***Jump***, ***slow motion*** *does not work.*

Playback of TRP recordings

To play SD or HD TRP (.trp) files recorded by other devices, select the matching codecs.

Video Codec	Select between ***SD*** and ***HD*** Recordings.
Audio Codec	Select between ***MPEG***, ***AC3*** and ***DDPLUS*** (Dolby Digital Plus).
NOTE	*Your set will reboot, if you selected the wrong video codec.*

9.12.2 Music

Format	MP3.
Playback	Select a song and press **OK** key. Press **STOP** key to stop.
Playlist	Press **PLAY** key to playback the songs of a folders. Press **JUMP** keys to select the previous/next song. Press **STOP** key to stop.
Soundtrack	Enter ***Photo Menu***, ***MP3 songs*** as soundtrack.
Edit MP3 & folders	
Sort	Press (green) key to sort (***A-Z***/***Z-A***, ***Date***).
Delete	Press (red) key to delete.
Edit	Press **INFO** key to enter the ***file browser***.

9.12.3 Photos

Format	JPG
Full screen	

List	Select a photo and press **OK** key to preview the photo. Press **OK** key again to view the photo in full screen.
Thumbnails	Select a photo and press **OK** key to view the photo in full screen.

Select the ***next/previous*** photo with the t/u keys.

Thumbnails/ list	Press (yellow) key to change between ***thumbnails*** and ***list*** mode.
Slideshow	Press **PLAY** key to start the slideshow of a folder. Press **STOP/EXIT** keys to stop.

Edit Photos & folders

Sort	Press (green) key to sort (***A-Z***/***Z-A***, ***Date***).
Delete	Press (red) key to delete.
Edit	Press **INFO** key to enter the ***file browser***.

9.13 Jump time

Press the **Jump** keys to jump from a movie position backwards or forwards.

Select the jump time (***1-10 min***.) with the ▲/▼keys.

9.14 Multi-feed

Some programs offer a variety of perspectives i.e. for sport events, these are called Multifeeds. Press **FEED** key to display Multifeeds for a program, if available. Select a feed with the ▲/▼/**OK** keys.

9.15 Subtitle language

TV	Press **SUBT** key to select subtitle languages, if available for a current program or recordings. Select a language with the ▲/▼/**OK** keys.
Movies	Supported formats: SRT, SMI, SUB. Press **SUBT** key to display subtitles. Press this key again to deactivate subtitles. If the subtitle and movie are asynchronous, synchronize the subtitle time. Press the ◀/▶ keys and adjust the time from ***-5 seconds*** to ***+5 seconds*** in ***0.1 second*** steps.
NOTE	*To display movie subtitles, the subtitle and menu language must be the same and the movie file and subtitle file must have the same title.*

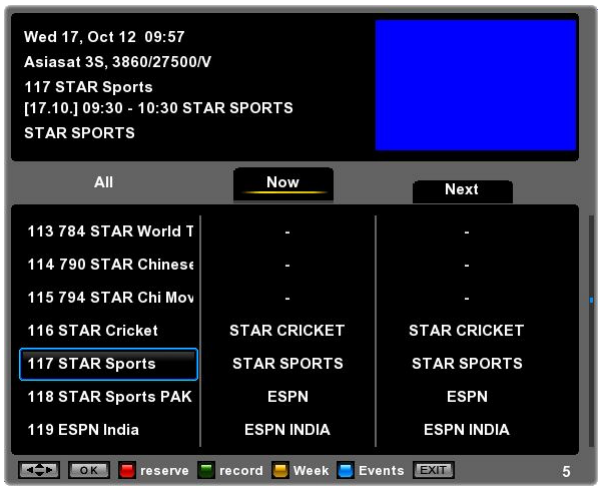
9.16 Edit/search window

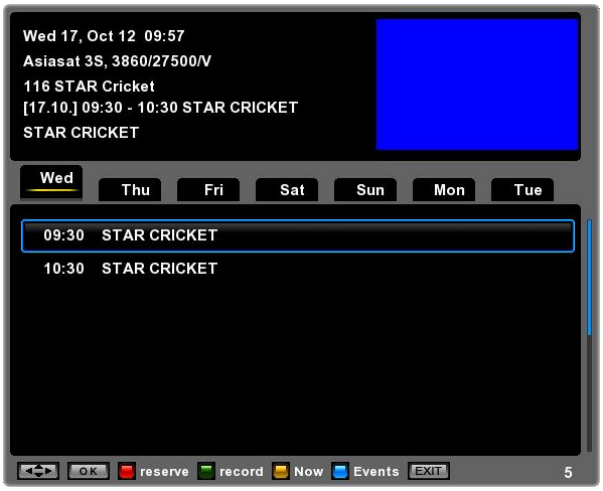
Select the edit/search window to rename (user lists, channels, recordings), to insert (address, password, username) and to enter a search term.

Letter	Select a letter with the ▲/▼/**OK** keys.
Delete	Press (red) key to delete a letter.
A/a/…	Press (green) key to change between capital/lower case letters and to display special letters for a language.
Save	Press (yellow) key to save.
Channel	Press (blue) key to cancel.

10. Program guide

Press **EPG** key to display the electronic program guide for current, next and scheduled programs.





Now/next schedule. Select a channel with the ▲/▼ keys to display the now/next schedule.

Enter the ***now***/***next*** schedule with the ◀/▶ keys.

Press **OK** key to change to the program. Press **OK** key again to watch it in full screen.
Press **INFO** key to display detail information, if available.
Week schedule.

Select a program with the ▲/▼, ◀/▶ keys.

Press the **OK** or **INFO** key to display detail information, if available.

Reserve Press (red) key to reserve programs (TV or Radio) to change to this program at the scheduled time.

Mode Select an option (once, daily**,** weekly, daily (Mon-Fri)).

Date Enter the date with **0-9 numeric** keys for programs without EPG schedule.

Begin Enter the start time with **0-9 numeric** keys for programs without EPG schedule.

Press **MENU** key to save the event.

Record Press (green) key to set the timer for recordings.

Week Press (yellow) key to switch between the ***now/next*** and week schedule of the selected channel.

Event list Press (blue) key to display the ***event list*** for all recordings and reservations. ***20 Timer events*** (recordings and reservations) can be programmed.

Delete Select an event with the p/q keys. Press (red) key to delete.
Delete all Press (green) key to delete all events.

11. RECORDING

11.1 Recording guide

USB memory

To record programs a storage device (USB Memory 2.0) must be connected formatted in **FAT32**, **EXT2**, **EXT3**. To format an USB memory larger than 32GB with your windows PC in ***FAT32***, download the ***Fat32Formatter*** program from the internet to your PC.
To record HD programs the USB memory must have a minimum writing speed of **20 Mbps**. It is recommended to record HD channels to a USB hard disk. It is only possible to record to one connected storage device. Select the Storage device to record in ***Multimedia*** (***User*** menu).

NOTE *Ensure that there is enough free memory before recording. The recording will not start, if there is not enough free memory. Do not disconnect the USB memory from the receiver during recording or playback as this could cause damage to the receiver and/or USB memory. Highly fragmented or used memory may also not operate properly. Recording to an Storage device formatted in NTFS is not possible.*

USB Eject

Press the key to eject all connected USB memories. Always use this option before disconnecting an USB memory. This function allows you to safely remove an USB memory connected to your receiver to prevent loss of data.

Multi channel Recording

You can record at the same time 3 programs or record 2 programs and timeshift one program.

Channel change

While you are recording, you can watch channels of the same frequency as the recorded channels.
Press **CH UP/DOWN** keys to change channels.
Press **OK** key to display the channels you can change to and select a channel with the ▲/▼/**OK** keys.

Stand-by

Press **STAND-BY** key during a recording to switch the receiver to Stand-by mode after the recording is finished. For timer recordings, the receiver will switch to operation mode and start recording at the specific time. After the recording is finished, the receiver will switch back to Standby mode (***after 1 minute***).

Timer	***20 Timer events*** (recordings and reservations) can be programmed.
TV/Radio	Record ***TV*** and ***radio*** programs.
Playback	Enter ***Recordings*** (**Multi media**) to playback recordings.

11.2 Instant recording

Recording	Press **RECORDING** key to start the recording.
Recording list	Press **EXIT, STOP** or **INFO** keys to display the recording list. The duration as set in ***Multimedia*** (***User*** menu) is displayed.

Duration	Press the ◀/▶ keys to change the duration (***max. 240 min.***) in ***10 min. steps***.
Stop	Press **OK** key to stop a recording.

11.3 Timeshift recording

Timeshift enables you to record and playback a program you are watching, while it is still being broadcasted.

Start	Press **PAUSE** key to start the Timeshift recording and to pause the program. Press **PLAY** key to start the playback.
Stop	The recording stops, if you change to another channel, or if you press **STOP** key.
Playback	Press the REWIND/FORWARD/SLOW MOTION/JUMP keys to playback the recorded part.
File	The Timeshift recording is stored in the **TimeShift** (***tms***) file in ***Recordings***.

11.4 Timer recording

Press **EPG** key to program a timer.
Select a channel or program and press (green) key.

Mode	Select an option (***once***, ***daily, weekly, daily*** (***Mon-Fri***)).
Date	Enter the date with the **0-9 numeric** keys for programs without EPG schedule.
Begin	Enter the start time with the **0-9 numeric** keys for programs without EPG schedule.
Duration	Select the duration (***min. 10 min.***, ***max. 240 min.***) for a recording.

Press **MENU** key to save the event.

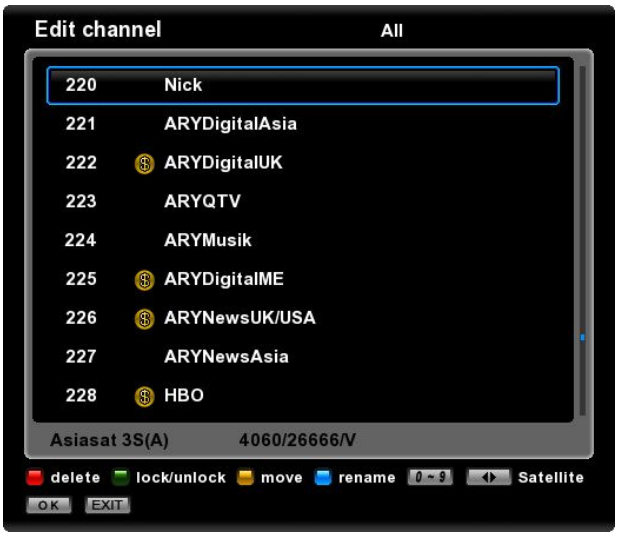
12. MENU

12.1 Operating the menu

Menu	Select an option with the ▲/▼, ◀/▶ keys. Enter an option with the **OK** key. Change values with the t/u keys.
Values	Insert values with the **0-9 numeric** keys. Enter the ***edit window***.

13.Create & Edit

13.1 Edit channel



Delete Press (red) key delete a channel.

Lock/unlock Press (green) key to lock/unlock a channel.

Move Press (yellow) key to move the position of a channel or multiple channels at once.

Press (yellow) key to select a channel or multiple channels.

Press ▲/▼keys to select the new position.

Press (red) key to move the channel/channels.

Press **OK** key to preview a channel.

Rename Press (blue) key to rename a channel.

List Select a channel list with the ◀/▶ keys.

Channel Enter the channel number.

Press **OK** key to preview a channel.

13.2 Edit Favorite lists

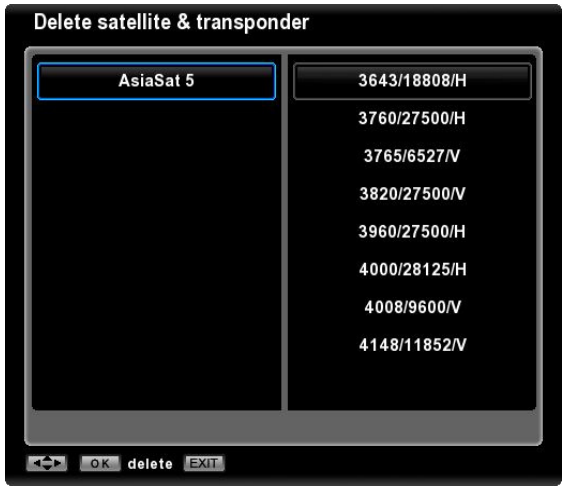
Edit the ***10*** user ***lists***.

List Move between columns with the ◀/▶ keys and select an option or channel with the ▲/▼/**OK** keys.

Rename Select a list and press (yellow) key to rename the user list.

Edit Select a list and press (red) key to edit.
Select a list option (1st column) to display (2nd column).
Select a channels and press **OK** key to ***copy*** the channel to the ***user list*** (3rd column). Enter the list and press **OK** key to ***delete*** a channel from the user list.
Press (red) key to ***watch*** a channel.

13.3 Delete satellite & transponder



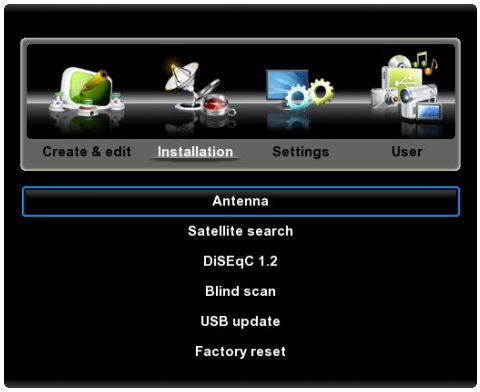
Select a satellite or transponder to delete.

13.4 Export data (Channels, lists)

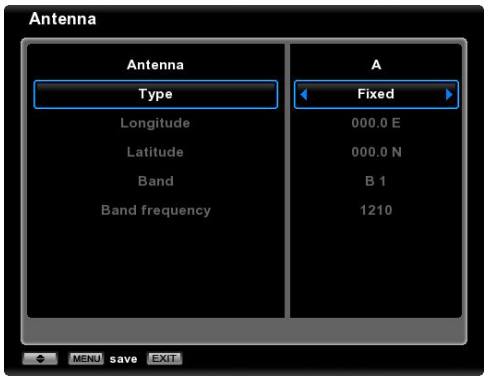
13.5 Import data (Channels, lists)

Save your settings to an USB memory and export/import them i.e. after a factory reset.
Stored settings: All SAT/TP data and antenna settings (LNB, DiSEqC, Motor, etc.), all channel lists (Satellite/User lists), all settings from the ***Settings*** and ***User*** menu.
Export data: Select this option to export the data with the option to rename the file.
Import data: Select this option to import the data.

14. Installation



14.1 Antenna

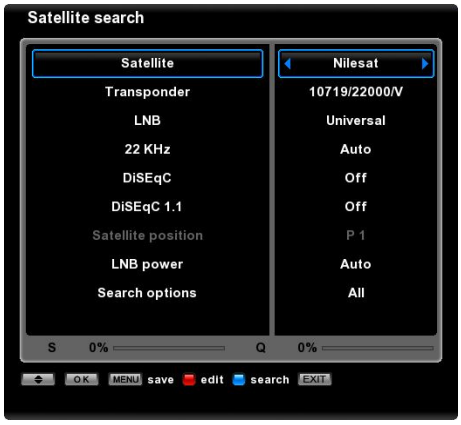


Select the Antenna ***type***.

Antenna	Select the Antenna (**A=LNB A**).
Fixed	Select this option for a fixed antenna.
DiSEqC 1.2	Select this option for a DiSEqC 1.2 motor.
USALS	Select this option for an USALS motor. Enter the ***longitude*** (***East***/***West***) and ***latitude*** (***North***/***South***) of your location.
Unicable/SCD	Select this option for a Single Cable Distribution Antenna to deliver broadcast over a single cable to multiple users. Select the user ***Band B1-B8***. Select the ***Band frequency***.

Press **MENU** key to save.

14.2 Satellite search



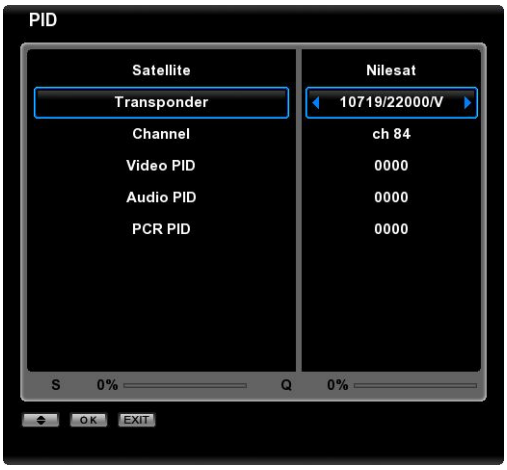
Satellite Select a satellite.

Transponder Select a transponder.
LNB Select the LNB frequency.
22Khz Select ***On*** or ***Off***.
DiSEqC Select the DiSEqC (***A***, ***B***, ***C***, ***D***)/***Mini A***, ***B*** port for the selected satellite.
DiSEqC 1.1 Select the DiSEqC port (***1-16)*** for the selected satellite.

Satellite position This option is activated, if you selected ***Unicable/SCD*** antenna in the ***Antenna menu***. Select the position.
P1: User band B1, B2, B3, B4
P2: User band B5, B6, B7, B8

LNB Power Select the LNB power.
Search Press (blue) key to start the search.
Search options
All/FTA/NIT/FAST SCAN Select an option to start the search.
Transponder Select this option to add, edit or search transponders.
Multi Select this option to search all installed satellites (***DiSEqC***, ***DiSEqC 1.2*** & ***USALS***) at one time.

PID Select this option to edit PIDs.



14.3 DiSEqC 1.2

DiSEqC/USALS-Multi search

Satellite Select the installed satellites (DiSEqC switch, DiSEqC 1.2 motor/USALS motor) with the ▲/▼/**OK** keys.
Search Press (blue) key to search all selected satellites at one time.

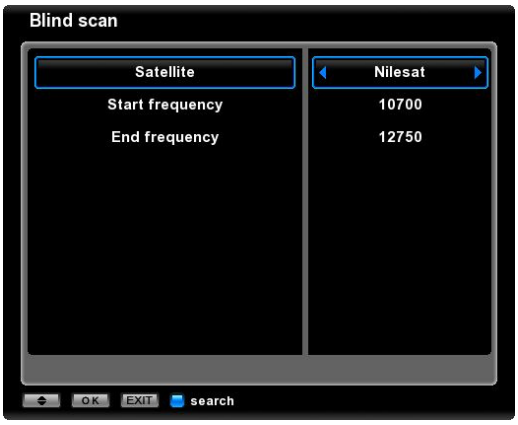
Satellite Select a satellite.

Transponder	Select a transponder.
Go to position	Press **OK** key to move the motor to the stored position.
Move	Press the ◀/▶ (***West***/***East***) keys to move the motor to the desired position/limits.
Steps	Select the motor steps (***1-127***).
Move in steps	Press the ◀/▶ (***West***/***East***) keys to move the motor in the selected steps.
Save position	Save the selected satellite position.

Save limits & options

East/West limit	Select this option to save the limits.
Delete	Select this option to delete the stored limits.
Recalculate	Select this option to recalculate the positions of the satellites based on one satellite position and to re-adjust them.
Go to center	Select this option to move the motor to the center.
Save	Press **MENU** key to save the Motor settings and enter the **Satellite Search** menu to start the search.
Search	Press (blue) key to search all selected satellites at one time.

14.4 Blind Scan



Satellite	Select a satellite.
Search	Select a fast scan search option.
Channel list	Select to ***add*** the searched channels to the channel list (end) or to ***replace*** the searched channels.
Search	Press (blue) key to start the search.

Edit PID Satellite

Satellite	Select a satellite.
Transponder	Select a transponder.
Channel	Rename/name the channel.

Video PID	Enter the Video PID.
Audio PID	Enter the Audio PID.
PCR PID	Enter the PCR PID.
Save	Press **MENU** key to save the changes.

14.5 USB update

Download	Download from the latest system software to your PC and transfer the file to an USB memory.
USB	Connect the USB memory to your receiver.
NOTE	*It is only possible to update via an USB memory formatted in FAT32.*
Start	Enter this menu option to start the update.
Reboot	After an update the set will automatically shutdown. Reboot the set after the shutdown.

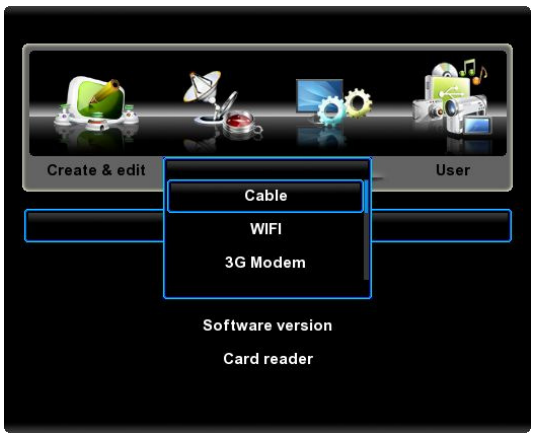
Factory reset

Reset all channel data to the receiver factory settings. All stored channels, lists and settings will be deleted.

NOTE: *It is recommended to make a factory reset after you updated your set via network or USB. Before you make a factory reset, export all data to the USB memory with the export data function and import them again after the factory reset. In case the data cannot be imported, setup your set again.*

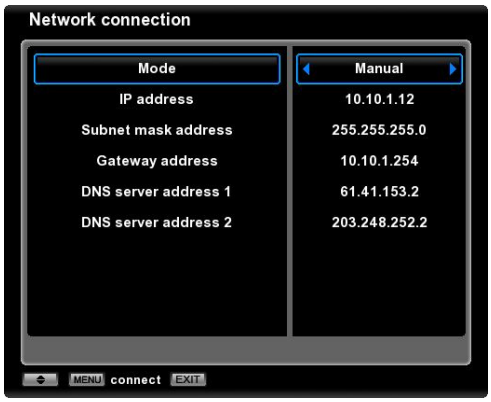
15. Settings

When you press OK button at Network Connection on Settings column, you will see the three choices which are Cable, WIFI and 3G Modem. Please select one of the connection method you will use.



15.1 Network connection

When you select **Cable**, you will see the below screen.



During booting your receiver will connect automatically to the network.

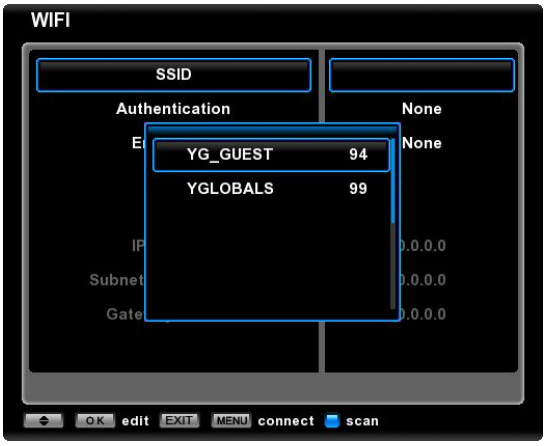
Auto	To connect automatically by DHCP.
Manual	To connect manually with a static IP address.
IP	Enter the fixed IP address.
Subnet mask	Enter the subnet mask address. In general it is 255.255.255.0.
Gateway	Enter the router's IP address.
DNS Server	Enter the DNS Server's IP address. In general it is the router's IP address. You can enter 2 DNS Server IP addresses.

Press **MENU** key to connect.

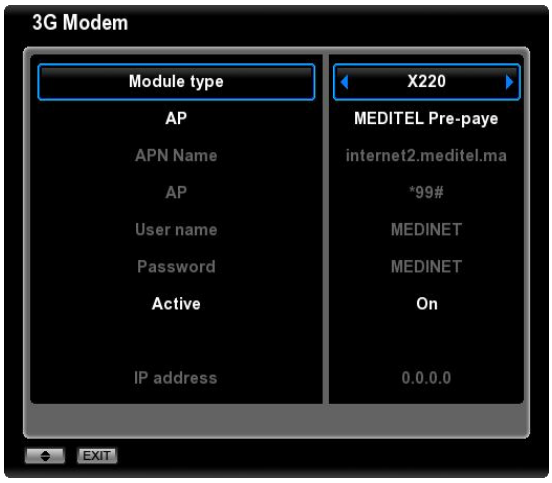
Modem	To connect with your telephone line.
Phone number	Enter the phone number to dial in.

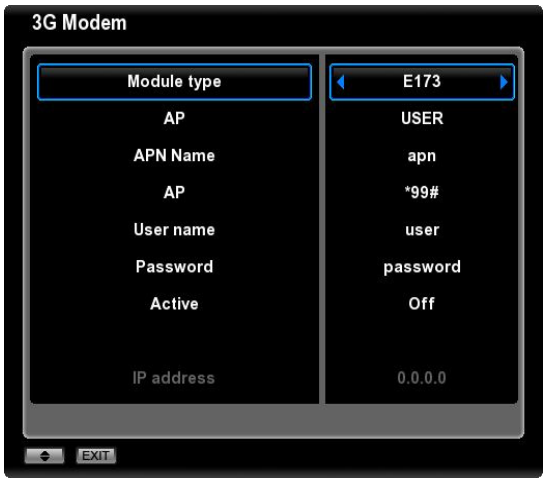
Press **MENU** key to connect.

When you select **WIFI**, you will see the below screen.



When you select **3G Modem**, you will see the below screen.

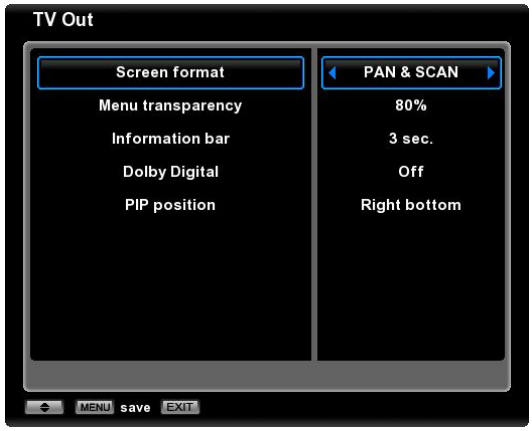




15.2 uPnP

Not available at the moment.

15.3 TV OUT



Screen format Select the screen format(***Auto***, ***Pan & Scan***, ***4:3/Letterbox***).
Menu transparency Select the transparency(***50%-100%***).

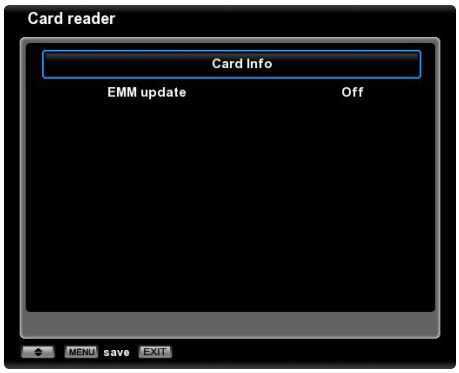
Information bar Select the automatic display time of the information bar for TV, movies, recordings. If you select ***Off***, the information bar will not be displayed.

TV scart signal Select the TV scart output option (***CVBS***/***RGB***).
Dolby Digital Select ***On*** to output dolby digital audio via S/PDIF.
CI message Select ***On*** to display messages of the CAM and card. If you select ***Off***, the messages will not be displayed.

15.4 Software version

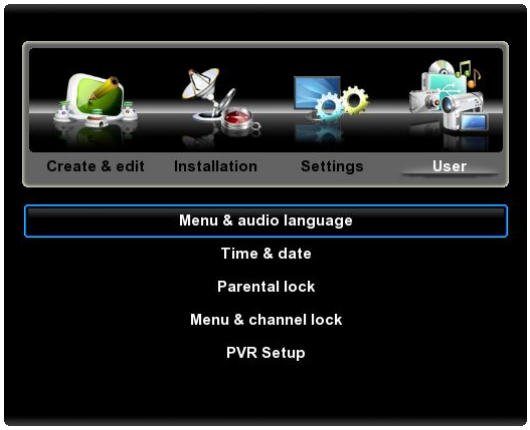
The receiver software, hardware version and the date of the last update are displayed.
Press **OK** key to check if a new software update is available.

15.5 Card reader

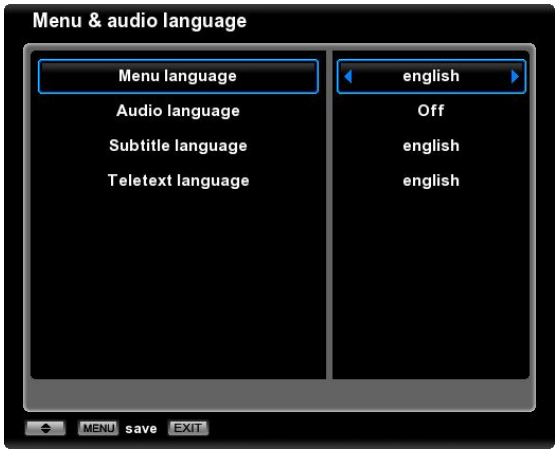


View information about the inserted subscriber's card.

16. User

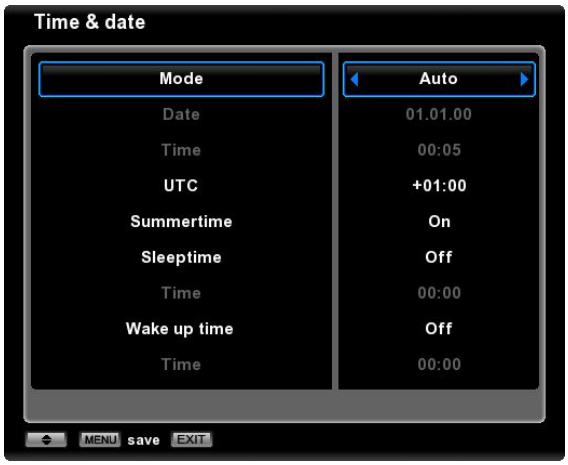


16.1 Menu & audio language



Menu language	Select the menu language.
Audio language	Select the standard audio language for programs.

16. 2 Time & date



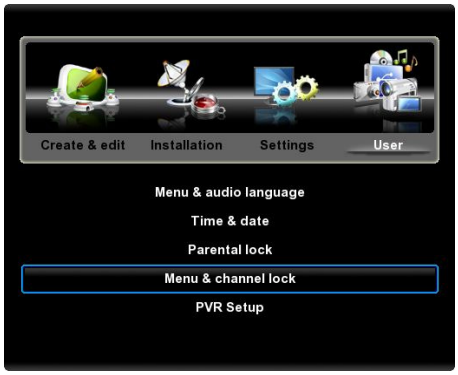
Mode	Select an option (***auto***/***manual***).
Date	Enter the date manually.
Time	Enter the time manually.

UTC	Select your local zone.
Summer Time	Select the option (**On**/***Off***).
Sleep time	Set the time to turn off your receiver automatically.
Wake up time	Set the time to turn on your receiver automatically.

16.3 Parental Lock

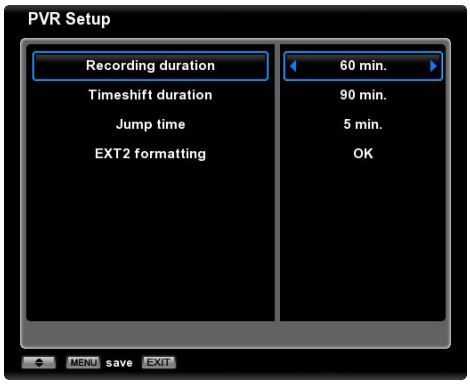
PIN	The 4 digit PIN code is initially set to **0000**.
Change	Enter the ***New PIN*** code twice for confirmation and the ***Current PIN*** code to change the PIN code.
NOTE	*Contact your local dealer, if you forgot your PIN code.*

16.4 Menu & channel lock



Menu lock	Select ***On*** to block the access to the ***MENU***.
Channel lock	Select ***On*** to lock channels.

16.5 PVR Set up



Recording duration	Select the preset recording duration (***max. 240 min.***).
Timeshift duration	Select the preset Timeshift recording duration (***max 180 min.***).
Jump time	Select the preset jump time (***max 10 min.***).
EXT 2 formatting	Format the USB memory in ***EXT2*** format.
Recording/Download	Select the storage to save recordings and downloads **device** (***Storage 1, 2, 3, 4)***

17. Multi Media

Please press MEDIA button on live channel or main channel to enter Multi Media menu.

17.1 File Browser

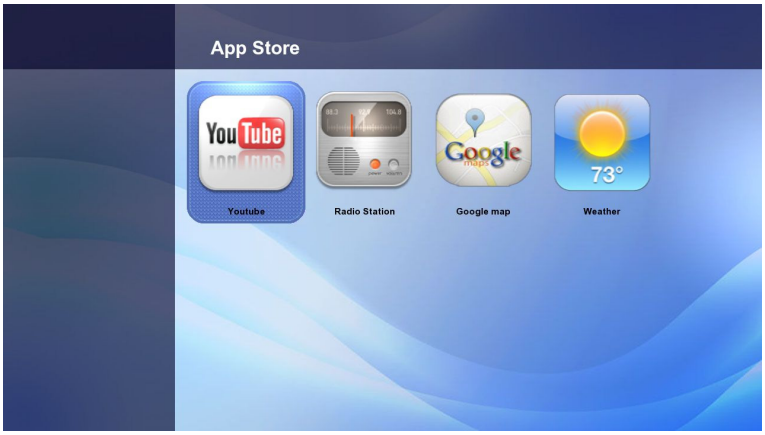
Edit files (recordings, movies, MP3s, Photos).

New folder	Press (yellow) key to create a new folder in the selected directory.
Delete	Press (blue) key to **delete**.
Copy	Press key to **copy** a file.
Move	Press **INFO** key to **move** a file from one folder to another.
Rename	Press **EPG** key to rename a file.
Sort	Press **USER** key to sort (**A-Z**/**Z-A**, **Date**)
NOTE	*Unlock a locked recording or movie to copy/move it.*

18. WEB

Please press WEB button on live channel or main channel to enter WEB menu.
This box supports Web facilities like internet radio, google map, News, Weather, World time, You-Tube, FTP server, etc. Press WEB key to enter.

You can also add other web facilities you would like to have.



19. Specification

19.1 Operating System

Linux Kernal Version 2.6

19.2 Tuner

Frequency Range	950MHz to 2150MHz
RF Input/Output Connector	F-type Female (75ohm)
Input Signal Level	-65 dBm~ -25 dBm
Demodulation Standard	DVB-S, DVB-S2 : QPSK, 8PSK
Symbol Rate	DVB-S (QPSK) : 1~45Msps DVB-S2 (8PSK/QPSK) : 10~30Msps
Multi Decoding Method	LDPC/BCH DVB-S2 (1/2, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10)
LNB Power	V:+13.5Vdc, H:18Vdc 400mA Max. with Overload Protection

19.3 Video / Audio Decoding

Transport Stream	MPEG-4 H.264 HP@L4 1920x1080i@50Hz
Profile Level	MPEG-2 MP@HL, MPEG-4 H.264 MP@L4
Input Rate	Max. 81Mbit/s
Display Aspect Ratio	16:9, 4:3, Letter Box
Video Resolution	1080p, 1080i, 720p, 576p, 576i
Algorithm	Dolby(AC-3 / 5.1CH),MPEG-1 layers 1,2,3(MP3) MPEG-2 layers
2 Sampling Frequency	32, 44.1 and 48 kHz

19.4 A/V & Data In/Out

USB 2.0	1 x USB Host connector
HDMI	Digital Video/Audio Output
Ethernet	RJ-45 10/100 Base-T

19.5 Conditional Access Interface

SMART card	1 slot

19.6 Power Supply

Input Voltage	12V 2A.DC, 50/60Hz
Power Consumption	Max. 25W
Stand-by mode	Max. 1W
Type	Adaptor type

19.7 Physical Specification

Dimension (W x H x D)	160 x 124 x 30(mm)
Net Weight	~ 0.8Kg
Operating Temperature	0°C ~ 50°C
Storage Temperature	-20°C ~ 60°C

19.8 Display & Control	Remote Control	With function

19.9 Supported Formats

Photo	JPEG
Video	AVi,MKV, VOB, FLV, MPEG2 TS/TRP, MPEG1/2
Subtitle	SMI, SRT, SUB